

IN THE CLAIMS

LISTING OF THE CLAIMS:

1. (Currently Amended) A system for determining and displaying icons representing text files, comprising:

a content extractor for determining a plurality of topics of a text file by examining words in the file;

a means for associating a respective one of a plurality of icons with each of the a plurality of topics;

means for assigning weighted values to each of said plurality of topics;

a selector for selecting ~~at least a~~ respective one of the plurality of icons to represent each of said plurality of topics of the text file on the basis of weighted values assigned to said topics; and

means for creating a composite icon including the selected ones of said plurality of icons;
and

a display for displaying the ~~selected~~ at least one of said composite icon ~~icons~~ to represent the text file; and

wherein each of the icons of the composite icon has an index attachment which opens directly to the text file.

2. (Currently Amended) A system according to Claim 1, wherein the selector includes means for selecting the closest ~~one of a group of available~~ ones of said plurality of icons to represent the text file.

3. (Cancelled)

4. (Currently Amended) A system according to Claim 31, wherein:

each of the plurality of topics is associated with a respective one part of the text file; and

~~the selector forms a composite icon including said selected plurality of icons; and~~

each of the selected plurality of icons, in the composite icon, points to the part of the text file associated with the topic that is associated with the icon.

5. (Currently Amended) A system according to Claim [[3]] 1, wherein the ~~several~~ selected icons are sensed by different senses.

6. (Original) A system according to Claim 1, wherein the icons facilitate use of a computer by people with various disabilities.

7. (Currently Amended) A system for representing contents of computer files via icons, the system comprising:

a computer memory including a group of directories with lists of files;

a semantic content extractor for determining a plurality of topics of each of the files from an examination of words in the files; and

a module for creating a plurality of icons representing the files including:

a means for associating a respective one of the icons with each of the determined topics, means for assigning weighted values to each of said plurality of topics, and means for selecting icons to represent the files based on the weighted values assigned to said determined topics; and

means for creating, for each of the files, a composite icon including the plurality of icons associated with the topics of the file, and wherein each of the icons of the composite icon for said each of the files has an index attachment which opens directly to said each file.

8. (Original) A system according to Claim 7, wherein the semantic content extractor includes:

a module that associates with a text file a language model, and word, key words and key phrases counts;

a topic identifier that uses the language model and counts to identify a topic; and
a module that partitions a text in a file by topic count.

9. (Original) A system according to Claim 8, wherein the topic identifier uses likelihood ratio to partition texts in parts by topics; likelihood in this ratio are defined by using probabilities of words from language models of the text in a file and language models for various topics that are stored in the database.

10. (Cancelled)

11. (Currently Amended) An icon creator for creating ~~an icon~~ icons and selecting icons for representing a file, comprising:

a semantic content extractor for identifying the importance and significance of a plurality of topics associated with the file based on an examination of words in the file; and

a matcher to create a match of data and images to create a multitude of icons ~~an icon~~ using a database of images and a database of icons, including:

a means for associating a respective one of the icons with each of the topics, means for assigning weighted values to each of said plurality of topics, and means for selecting a plurality

of the created icons to represent the files file based on the weighted values assigned to the identified topics; and

wherein each ~~icon~~ of the selected icons has an index attachment, which opens directly to the file.

12. (Original) An icon creator according to Claim 11, wherein a blind person can use a sound icon using the database of sound icons; this would enable the blind user to use their sense of hearing to choose the file they wish to open.

13. (Original) An icon creator according to Claim 11, further comprising means to allow a person with a reading disability to use the icon system, including a group of files that are formed into an icon attachment; the user then chooses an icon, using the pictures or sounds and the user can then use a speech synthesizer can listen to a file.

14. (Currently Amended) An icon creator for creating an icon representing a file, said file including a larger part showing cars, a smaller part showing travel, and a middle sized part showing dealerships, the icon creator comprising:

a semantic content extractor for identifying the importance and significance of topics associated with the file based on an examination of words in the file;

a matcher to create a match of data and images to create composite icons using a database of images and a database of icons; wherein said composite icons contain multiple topics including cars and travel, and dealerships; and

means to contain an index which lists information on cars or building, means to show ~~where~~where the information on cars is placed in the file; and wherein, using a fraction method, the files can be broken down;

wherein each icon has an index attachment, which opens directly to the file.

15. (Currently Amended) A method for creating icons, comprising:

generating a list of files;

reading the word content of each file;

for each file,

i) attaching a plurality of topics to the file based on the read word content of the file;
ii) generating a plurality of icons for the file based on the topics attached to the file;
iii) creating a composite icon for the file from the plurality of icons generated for the file; and

iv) using said plurality of icons in the composite icon to point to different parts of the file having the different topics associated with said plurality of icons;

creating an index of topics;

printing a list of icons near file names; and

creating a list of icons to list files; and

wherein each of the icons of the composite icon has an index attachment which opens directly to the file.

16-17. (Cancelled)

18. (Currently Amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for determining and displaying icons representing files containing text, said method steps comprising:

determining a plurality of topics of a file by examining words in the file;

searching a database of icons;

on the basis of assigning weighted values to each of said plurality of topics, including:

associating a respective one of the icons with each of the topics, assigning weighted values to each of said plurality of topics, and selecting icons to represent the files file based on the weighted values assigned to said determined topics; ~~and~~

creating a composite icon for the file, said composite icon including the icons associated with the topics of the file;

displaying the selected icon to represent the file; and

wherein each of the icons of the composite icon has an index attachment which opens directly to the file.

19. (Original) A program storage device according to Claim 18, wherein in the database, each icon is associated with words, and wherein:

the determining step includes the step of using a semantic content extractor to identify the importance and significance of topics associated with the file; and

the selecting step includes the step of comparing said topics with the words in the database to select one of the icons to represent the file.

20. (Currently Amended) The system in claim 1, where the icons contain advertisements, which include hyperlinks.

21. (Currently Amended) The system in claim 20 where users pay less for the system if ads advertisements are included.

22. (Currently Amended) The system in claim 20 where an advertiser pays a manufacturer or seller of the system for including said advertisements in the icons.